

WHAT IS CLAIMED IS:

1. A wiring board comprising:

a conductor layer comprising Fe and Cu; and

at least one of a radiator, a connection terminal, a
5 cover and a circuit component, connected to the conductor
layer through a joining member.

2. The wiring board according to claim 1, wherein a
surface of the conductor layer is subjected to a plating
10 treatment.

3. The wiring board according to claim 1, which is
obtained by coating a copper paste comprising a copper
powder, an organic vehicle and an Fe_2O_3 particle as a
15 conductor layer on a ceramic green sheet and firing it.

4. The wiring board according to claim 3, wherein
the copper paste comprises more than 20 parts by mass of
the organic vehicle per 100 parts by mass of the copper
20 powder.

5. The wiring board according to claim 3, wherein
the copper paste comprises a ceramic particle having an
average particle size of 100 nm or less.

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6. The wiring board according to claim 3, which is obtained by a method comprising the steps of

coating the copper paste on a ceramic green sheet;

exposing the coated sheet to a wet nitrogen
5 atmosphere at 650 to 900°C so as to remove organic components; and

firing the sheet at 850 to 1,050°C after the exposing.

7. A copper paste comprising a copper powder, an
10 organic vehicle and an Fe_2O_3 particle.

8. The copper paste according to claim 7, wherein the copper paste comprises more than 20 parts by mass of the organic vehicle per 100 parts by mass of the copper
15 powder.

9. The copper paste according to claim 7, which comprises a ceramic particle having an average particle size of 100 nm or less.